

ABSTRACT

OXYGEN TAILORING OF POLYETHYLENE RESINS

5 Processes are disclosed for oxygen-tailoring polyethylene resin. Polyethylene resin is conveyed through a feed zone, a melt-mixing zone and a melt zone. The resin is contacted with oxygen in an amount of at least 40 parts by weight O₂ per million parts by weight resin, and contacted with primary antioxidant downstream of the point or points of oxygen contact. The oxygen-
10 treated resin can be used to make polyethylene film having improved gauge uniformity.